

Total Cyanide by Flow Injection Colorimetry- LATCHAT QuickChem Method 10-204-00-1-X					
Facility Name: _____ VELAP ID _____					
Assessor Name: _____ Analyst Name: _____ Inspection Date _____					
Relevant Aspect of Standards	Method Reference	Y	N	N/A	Comments
Records Examined: SOP Number/ Revision/ Date _____ Analyst: _____					
Sample ID: _____ Date of Sample Preparation: _____ Date of Analysis: _____					
Are samples preserved with sodium hydroxide to pH >12, treated with a reducing agent (such as ascorbic acid or sodium arsenite), and cooled to <6°C at the time of collection?	8.6, 8.7, 40 CFR Part 136				
Are samples analyzed within 14 days of collection?	8.6, 40 CFR Part 136				
Are all reagent solutions degassed for one minute using helium?	7.1				
Is phosphate buffer prepared fresh monthly?	7.1				
Is chloramine-T solution prepared fresh daily?	7.1				
Is pyridine-barbituric acid solution prepared fresh weekly?	7.1				
For analysis of environmental samples, are calibration standards distilled with samples?	7.2				
Are stock standards prepared fresh weekly and working standards prepared fresh daily?	7.2				
Is a second source QCS (or LCS) analyzed with each batch and the recovery within $\pm 10\%$ of its true value?	9.7, 10.4				
Is a LRB analyzed with each batch of 20 samples and determined to be less than the Minimum Level? (Method does not define minimum level- use MDL per EPA 335.4.)	9.4				
Are a minimum of 5 percent of all samples (one per batch of 20) spiked in duplicate, and do the % recovery and RPD results meet current lab acceptance criteria?	9.3				
Are samples checked for sulfide by placing a drop of sample on lead acetate paper, and if present, is 25 mL of the preserved sample treated with powdered cadmium carbonate until sulfide is no longer detected using the lead acetate paper?	11.1.1				

Notes/Comments:

**Total Cyanide by Flow Injection Colorimetry- LATCHAT
QuickChem Method 10-204-00-1-X**

Facility Name: _____ VELAP ID _____

Assessor Name: _____ Analyst Name: _____ Inspection Date _____

Relevant Aspect of Standards	Method Reference	Y	N	N/A	Comments
Is the MDL established per 40 CFR 136?	9.2.1				
If sample was treated for sulfide presence, is the treated sample then filtered with No. 2 paper, and the filtrate used for analysis?	6.4.3, 11.1.1				
Are samples known to contain nitrate or nitrite pretreated with sulfamic acid?	11.1.1				
Is the "MICRO DIST" distillation block allowed to warm up about 40 minutes?	11.1.3.1				
Are 6 mL aliquots of standards and samples added to each distillation tube?	11.1.3.3				
Is 0.75 mL of 7.11M sulfuric acid/ 0.79 M magnesium chloride solution added to each sample in the distillation tube, and a collector tube immediately attached to each distillation tube?	11.1.3.4, 11.1.3.5				
Once all of the sample tubes are placed into the preheated block, is the timer set for 30 minutes?	11.1.3.9				
After 30 minutes on the block, is each sample tube removed from the block and its collector tube removed within 4 seconds to prevent "suck-back" of the sample?	11.1.3.10				
Is each collector tube then inverted and placed into the rack and then allowed to cool for at least 10 minutes?	11.1.3.11, 11.1.3.12				
After cooling, is each collector tube held horizontally, the walls rinsed with the distillate to homogenize, the tube then returned to an upright position, the tube broken in half, the contents diluted to 6 mL with reagent water, and the tube capped and mixed?	11.1.3.13- 11.1.3.16				
Is the instrument allowed to warm up for at least 15 minutes?	11.2.4				
If samples are over-range, are they diluted and reanalyzed?	12.2				

Notes/Comments: